

BASIS OF BEARINGS DETERMINED FROM C.P.S. OBSERVATIONS AT THIS SECTION CORNER

NOTE:

THIS SECTION WAS ORIGINALLY SURVEYED BY D.G. MAJOR OF THE GENERAL LAND OFFICE IN 1882 USING THE "THREE-MILE" METHOD. MAJOR RAN THE EAST-WEST CENTERLINE FROM THE EAST QUARTER CORNER SETTING STONES AT 20 AND 40 CHAINS. NO MONUMENTS WERE FOUND DURING A FIELD SEARCH AT THESE CORNERS NOR WAS ANY OTHER EVIDENCE FOUND PERPETUATING THE POSITIONS OF THESE CORNERS.

MAJOR'S SURVEY SHOWS THE NORTH LINE OF THE SECTION TO BE 80.04 CHAINS (5282.64 FEET). THE SOUTH LINE TO BE 80 CHAINS (5280 FEET); THE EAST-WEST CENTERLINE THROUGH THE SOUTH HALF OF THE SECTION TO BE 80.20 CHAINS (5293.20 FEET). THE SIXTEENTH CORNERS WERE SET AT EQUIDISTANT POSITIONS ALONG THESE LINES.

THE MEASURED DISTANCE BETWEEN THE EAST AND WEST QUARTER CORNERS WAS FOUND TO BE 5234.2 FEET, CONSIDERABLY SHORTER THAT WOULD BE EXPECTED WHEN COMPARED TO THE RECORD EAST-WEST DISTANCES RETURNED ON THE OTHER EAST-WEST LINES OF THE SECTION NOTED ABOVE. THE OPTION TO ESTABLISH THE LOST CORNERS AT 20 AND 40 CHAINS, RESPECTIVELY ALONG THE EAST-WEST CENTERLINE WOULD FORCE ALL OF THE DEFICIENCY INTO THE WEST HALF MILE, WHICH WOULD NOT SEEM TO BE AN EQUIVARIABLE SOLUTION. THE POSITION OF THESE CORNERS WAS THEREFORE DETERMINED TO BE AT THE EQUIDISTANT PROPORTIONAL POSITIONS ALONG THE EAST-WEST CENTERLINE. THE SAME SOLUTION WAS APPLIED TO THE EAST-WEST CENTERLINE THROUGH THE NORTH HALF OF THE SECTION.

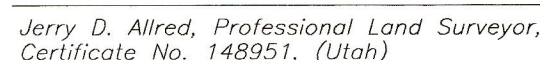
FOUND BEST COUNTY MONUMENT ORIGINAL MARKED POSITION AS PER COUNTY RECORDS; REBUILT WITH NEW MONUMENT AT

GENERAL LAND OFFICE RECORD=WEST 80 CHAINS

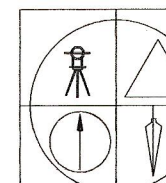
SECTION CORNER
QUARTER CORNER
1/16 CORNER (QUARTER-QUARTER CORNER)
SET 5/8"X24" REBAR WITH CAP STAMPED 148951
— EXISTING FENCE
THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT
THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM C.P.S. OBSERVATIONS AT THE CORNER LOCATION LOCATED AT LAT. 40°11'08.26317"N AND LONG. 101°13'07.24662"W USING THE UTAH STATE C.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER
NARRATIVE
This survey was performed at the request of the Uintah Basin Association of Governments for the purpose of staking the parcels of land shown on this plot. The monument, including the Public Lands Survey System corners were used as indicated and used to control the survey.

THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM (G.P.S.) EQUIPMENT AND PROCEDURES. BEARINGS ARE BASED ON WGS84 DATUM.

This is to certify that this plot was prepared from the field notes and electronic data collector files of an actual survey made by me, or under my personal supervision, of the parcels of land shown hereon, and that the monuments indicated were found or set during said survey, and that this plot accurately represents said survey to the best of my knowledge.



COUNTY SURVEYOR FILE NO. 2328



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